

04-28-05

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax (703) 746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24319 7590 02/14/2005

LSI LOGIC CORPORATION  
 1621 BARBER LANE  
 MS: D-106  
 MILPITAS, CA 95035

04/29/2005 DENHMANU2 00000005 122252 09834013  
 Sale Ref: 00000000 DAH: 122252 09834013  
 01 FC:1501 1400.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

|                    |                    |
|--------------------|--------------------|
| Manu Kashyap       | (Depositor's name) |
| <i>[Signature]</i> | (Signature)        |
| 4/26/2005          | (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/883,761      | 06/18/2001  | Andrew Popplewell    | 00-387 1496.00089   | 2432             |

TITLE OF INVENTION: METHOD AND APPARATUS FOR ESTIMATION OF ERROR IN DATA RECOVERY SCHEMES

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1400    | \$300           | \$1700           | 05/16/2005 |

  

| EXAMINER         | ART UNIT | CLASS-SUBCLASS | 01 FC:1501 | 1400.00 DA |
|------------------|----------|----------------|------------|------------|
| BRITT, CYNTHIA H | 2133     | 714-704000     | 02 FC:1504 | 300.00 DA  |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Christopher P. Maiorana PC

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

LSI Logic Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Milpitas, California USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 12-2252 (enclose an extra copy of this form).

## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Henry Groth*

Date

4/26/2005

Typed or printed name Henry Groth

Registration No.

39,696

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APR 26 2005

PTO/SB/17

Approved for use through 9/30/2000. OMB 0651-0032  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL

Patent Fees are subject to annual revision on October 1.  
 These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement,  
 otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
 See 37 C.F.R. 1.27 and 1.28.

## Complete if Known

|                      |                     |
|----------------------|---------------------|
| Application Number   | 09/883,761          |
| Filing Date          | June-18, 2001       |
| First Named Inventor | Andrew Popplewell   |
| Group Art Unit       | 2133                |
| Examiner Name        | Cynthia H. Britt    |
| Attorney Docket No.  | 1496.00089 / 00-387 |

TOTAL AMOUNT OF PAYMENT (\$1700.00)

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account Number 12-2252

Deposit Account Number LSI LOGIC CORPORATION

☒ Charge Any Additional Fee required Under 37

☒ Charge the Issue Fee Set in 37 C.F.R. 1.18 at the Mailing of the Notice of

2. ☐ Payment Enclosed:

☐ Chec ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Larg eFee Code | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 790             | 201            | 395             | Utility filing fee     |          |
| 106            | 330             | 206            | 165             | Design filing fee      |          |
| 107            | 540             | 207            | 270             | Plant filing fee       |          |
| 108            | 790             | 208            | 395             | Reissue filing fee     |          |
| 114            | 150             | 214            | 75              | Provisional Filing fee |          |

SUBTOTAL (1) (\$0.00)

### 2. EXTRA CLAIM FEES

| Total claim        | Extra Claim | Fee from below | Fee Paid |
|--------------------|-------------|----------------|----------|
| -20**=             |             |                |          |
| Independent Claims | -3**=       |                |          |
| Multiple Dependent |             |                |          |

\*\*or number previously paid, if greater; For Reissues, see below

| Larg eFee Code | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 22              | 203            | 11              | Claims in excess of 20                                    |
| 102            | 82              | 202            | 41              | Independent claims in excess of 3                         |
| 104            | 270             | 204            | 135             | Multiple dependent claim, if not paid                     |
| 109            | 82              | 209            | 41              | **Reissue independent claims over original patent         |
| 110            | 22              | 210            | 11              | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$0.00)

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Larg eFee Code      | Entit yFee (\$) | Larg eFee Code | Entit yFee (\$) | Fee Description  | Fee Paid |
|---------------------|-----------------|----------------|-----------------|--|----------|
| 105                 | 130             | 205            | 65              | Surcharge - late filing fee or oath  |          |
| 127                 | 50              | 227            | 25              | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                 | 130             | 139            | 130             | Non-English specification  |          |
| 147                 | 2,520           | 147            | 2,520           | For filing request for reexamination                                       |          |
| 112                 | 920*            | 112            | 920             | Requesting publication of SIR prior to Examiner action                     |          |
| 113                 | 1,840*          | 113            | 1,840*          | Requesting publication of SIR after Examiner action                        |          |
| 115                 | 110             | 215            | 55              | Extension for reply within first month                                     |          |
| 116                 | 400             | 216            | 200             | Extension for reply within second month                                    |          |
| 117                 | 950             | 217            | 475             | Extension for reply within third month                                     |          |
| 118                 | 1510            | 218            | 755             | Extension for reply within fourth month                                    |          |
| 128                 | 2,060           | 228            | 1,030           | Extension for reply within fifth month                                     |          |
| 119                 | 310             | 219            | 155             | Notice of Appeal   |          |
| 120                 | 310             | 220            | 155             | Filing a brief in support of an appeal                                     |          |
| 121                 | 270             | 221            | 135             | Request for oral hearing   |          |
| 138                 | 1,510           | 138            | 1,510           | Petition to institute a public use proceeding                              |          |
| 140                 | 110             | 240            | 55              | Petition to revive - unavoidable   |          |
| 141                 | 1,320           | 241            | 660             | Petition to revive - unintentional   |          |
| 142                 | 1,320           | 242            | 660             | Utility issue fee (or reissue)   | 1400     |
| 143                 | 450             | 243            | 225             | Design issue fee   |          |
| 144                 | 670             | 244            | 335             | Plant issue fee  |          |
| 122                 | 130             | 122            | 130             | Petitions to the Commissioner  |          |
| 123                 | 50              | 123            | 50              | Petitions related to provisional application                               |          |
| 126                 | 240             | 126            | 240             | Submission of Information Disclosure Statement                             |          |
| 581                 | 40              | 581            | 40              | Recording each patent assignment per property (times number of properties) |          |
| 146                 | 790             | 246            | 395             | Filing a submission after final rejection (37 CFR 1.129)                   |          |
| 149                 | 790             | 249            | 395             | For each additional invention to be examined (37 CFR 1.129 (b))            |          |
| Other fee (specify) |                 |                |                 | PUBLICATION FEE  | 300      |
| Other fee (specify) |                 |                |                 |  |          |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$1700.00)

## SUBMITTED BY

## Complete (if applicable)

|                       |                    |                         |           |
|-----------------------|--------------------|-------------------------|-----------|
| Typed or printed name | Henry Groth        | Reg. Number             | 39,696    |
| Signature             | <i>Henry Groth</i> | Date                    | 4/26/2005 |
|                       |                    | Deposit Account User ID |           |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.